



Tecumseh

Performance Data Sheet

VSC9521ZFZ

General Information

Model	VSC9521ZFZ	Refrigerant	R-404A
Test Condition	ARI	Performance Test Voltage	240V ~ 50HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	PSC

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
20	Btu/h	24200	22600	20900	19000	17100	15100	13000
	Watts	1550	1760	1990	2260	2560	2890	3260
	Amps	7.76	8.79	9.96	11.3	12.8	14.4	16.3
	Lb/h	383	380	375	368	361	352	341
25	Btu/h	26800	24900	23100	21100	19000	16700	14400
	Watts	1550	1760	1990	2260	2560	2890	3260
	Amps	7.75	8.78	9.95	11.3	12.8	14.4	16.3
	Lb/h	426	422	417	411	403	393	383
30	Btu/h	29500	27500	25400	23200	20900	18500	16000
	Watts	1550	1760	1990	2250	2550	2890	3260
	Amps	7.75	8.77	9.94	11.3	12.7	14.4	16.3
	Lb/h	472	469	464	457	449	439	428
35	Btu/h	32400	30300	28000	25500	23000	20400	17600
	Watts	1550	1750	1990	2250	2550	2880	3250
	Amps	7.74	8.76	9.92	11.2	12.7	14.4	16.2
	Lb/h	523	520	514	508	499	490	479
40	Btu/h	35600	33200	30700	28100	25300	22400	19400
	Watts	1550	1750	1980	2250	2540	2870	3240
	Amps	7.72	8.75	9.90	11.2	12.7	14.4	16.2
	Lb/h	579	575	570	563	555	545	534
45	Btu/h	39000	36400	33600	30800	27800	24600	21400
	Watts	1540	1750	1980	2240	2530	2870	3240
	Amps	7.71	8.73	9.88	11.2	12.7	14.3	16.2
	Lb/h	639	636	631	624	616	606	595
50	Btu/h	42700	39800	36800	33600	30400	27000	23500
	Watts	1540	1740	1970	2230	2530	2860	3230
	Amps	7.70	8.71	9.86	11.2	12.6	14.3	16.1
	Lb/h	705	702	697	690	682	672	661

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.207746E+04	5.387409E+02	2.691014E+00	2.226578E+02
C2	5.069804E+02	3.334493E-01	1.665581E-03	6.029070E+00

C3	-5.880569E+01	8.867874E+00	4.429508E-02	7.877598E-01
C4	5.128169E+00	-6.154643E-03	-3.074247E-05	3.906936E-02
C5	-1.525763E+00	6.815641E-03	3.404416E-05	-8.662929E-04
C6	-1.963237E-01	8.090569E-03	4.041243E-05	-6.185539E-03
C7	1.258023E-02	2.873496E-04	1.435313E-06	4.200620E-04
C8	-2.629483E-02	-3.658910E-04	-1.827627E-06	1.144539E-04
C9	-4.797755E-03	1.718973E-05	8.586281E-08	-3.887673E-05
C10	-6.025609E-04	4.789019E-04	2.392117E-06	5.145329E-07

$$\text{Value} = C1 + C2 * \text{Te} + C4 * \text{Te}^2 + C7 * \text{Te}^3 + (C3 + C5 * \text{Te} + C8 * \text{Te}^2) * \text{Tc} + (C6 + C9 * \text{Te}) * \text{Tc}^2 + C10 * \text{Tc}^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature